

#6
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SEQUENCE LISTING

<110> Von Der Kammer, Heinz
Pohlner, Johannes

<120> Diagnostic and Therapeutic Use of FOAP-13 Polynucleotides and
Polypeptides for Neurodegenerative Diseases

<130> 2335.0060001

<140> To be assigned

<141> Herewith

<150> 02019281.1

<151> 2002-08-28

<150> 60/406,303

<151> 2002-08-28

<160> 18

<170> Patent In Ver. 2.1

<210> 1

<211> 390

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: cDNA fragment
of the foap-13 gene

<400> 1

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gagtcaggcc accccaaggg ccatggggagc cagctgacct gcttgaccga aggatttctg 300
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<210> 2

<211> 491

<212> PRT

<213> Homo sapiens

<400> 2

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      20              25              30

Leu Val Phe Val Phe Lys Asn Glu Asp Tyr Phe Lys Asp Leu Cys Gly
      35              40              45

Pro Asp Ala Gly Pro Ile Gly Asn Ala Thr Gly Gln Ala Asp Cys Lys

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|---|-----|-----|-----|-----|
| Ala Gln Asp Glu Arg Phe Ser Leu Ile Phe Thr Leu Gly Ser Phe Met | 65 | 70 | 75 | 80 |
| Asn Asn Phe Met Thr Phe Pro Thr Gly Tyr Ile Phe Asp Arg Phe Lys | | 85 | 90 | 95 |
| Thr Thr Val Ala Arg Leu Ile Ala Ile Phe Phe Tyr Thr Thr Ala Thr | 100 | | 105 | 110 |
| Leu Ile Ile Ala Phe Thr Ser Ala Gly Ser Ala Val Leu Leu Phe Leu | 115 | | 120 | 125 |
| Ala Met Pro Met Leu Thr Ile Gly Gly Ile Leu Phe Leu Ile Thr Asn | 130 | | 135 | 140 |
| Leu Gln Ile Gly Asn Leu Phe Gly Gln His Arg Ser Thr Ile Ile Thr | 145 | | 150 | 155 |
| Leu Tyr Asn Gly Ala Phe Asp Ser Ser Ser Ala Val Phe Leu Ile Ile | | 165 | 170 | 175 |
| Lys Leu Leu Tyr Glu Lys Gly Ile Ser Leu Arg Ala Ser Phe Ile Phe | | 180 | 185 | 190 |
| Ile Ser Val Cys Ser Thr Trp His Val Ala Arg Thr Phe Leu Leu Met | | 195 | 200 | 205 |
| Pro Arg Gly His Ile Pro Tyr Pro Leu Pro Pro Asn Tyr Ser Tyr Gly | 210 | | 215 | 220 |
| Leu Cys Pro Gly Asn Gly Thr Thr Lys Glu Glu Lys Glu Thr Ala Glu | 225 | | 230 | 235 |
| His Glu Asn Arg Glu Leu Gln Ser Lys Glu Phe Leu Ser Ala Lys Glu | | 245 | 250 | 255 |
| Glu Thr Pro Gly Ala Gly Gln Lys Gln Glu Leu Arg Ser Phe Trp Ser | | 260 | 265 | 270 |
| Tyr Ala Phe Ser Arg Arg Phe Ala Trp His Leu Val Trp Leu Ser Val | | 275 | 280 | 285 |
| Ile Gln Leu Trp His Tyr Leu Phe Ile Gly Thr Leu Asn Ser Leu Leu | 290 | | 295 | 300 |
| Thr Asn Met Ala Gly Gly Asp Met Ala Arg Val Ser Thr Tyr Thr Asn | 305 | | 310 | 315 |
| Ala Phe Ala Phe Thr Gln Phe Gly Val Leu Cys Ala Pro Trp Asn Gly | | 325 | 330 | 335 |
| Leu Leu Met Asp Arg Leu Lys Gln Lys Tyr Gln Lys Glu Ala Arg Lys | | 340 | 345 | 350 |
| Thr Gly Ser Ser Thr Leu Ala Val Ala Leu Cys Ser Thr Val Pro Ser | | 355 | 360 | 365 |

Leu Ala Leu Thr Ser Leu Leu Cys Leu Gly Phe Ala Leu Cys Ala Ser
 370 375 380

Val Pro Ile Leu Pro Leu Gln Tyr Leu Thr Phe Ile Leu Gln Val Ile
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Ser Arg Ser Phe Leu Tyr Gly Ser Asn Ala Ala Phe Leu Thr Leu Ala
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Phe Pro Ser Glu His Phe Gly Lys Leu Phe Gly Leu Val Met Ala Leu
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Ser Ala Val Val Ser Leu Leu Gln Phe Pro Ile Phe Thr Leu Ile Lys
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Gly Ser Leu Gln Asn Asp Pro Phe Tyr Val Asn Val Met Phe Met Leu
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Ala Ile Leu Leu Thr Phe Phe His Pro Phe Leu Val Tyr Arg Glu Cys
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Arg Thr Trp Lys Glu Ser Pro Ser Ala Ile Ala
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<210> 3
 <211> 2630
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: cDNA of the
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<210> 4

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: one-base
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<400> 4

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13

<210> 5

<211> 13

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: One-base
anchor oligonucleotide

<400> 5

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<210> 6

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: One-base
anchor oligonucleotide

<400> 6
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<210> 7
<211> 23
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer for the
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<400> 7
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<210> 8
<211> 20
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer for the
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<400> 8
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<210> 9
<211> 20
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer for the
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<400> 9
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<210> 10
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the
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<400> 10
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<210> 11

<211> 20
<212> DNA
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<223> Description of Artificial Sequence: primer for the
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<400> 11
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<210> 12
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the
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<400> 12
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22

<210> 13
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the
beta-actin gene

<400> 13
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19

<210> 14
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the
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<400> 14
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19

<210> 15
<211> 20
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<220>
<223> Description of Artificial Sequence: primer for the

GAPDH gene

<400> 15
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<210> 16
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the
GAPDH gene

<400> 16
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<210> 17
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the
transferrin receptor (TRR)

<400> 17
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<210> 18
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the
transferrin receptor (TRR)

<400> 18
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